

इंटरनेट

मानक

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IS 10529 (1983): Guidelines for estimation of engine power for small mechanized fishing boats [TED 18: Inland, Harbour Crafts and Fishing Vessels]



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Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

GUIDELINES FOR ESTIMATION OF ENGINE POWER FOR SMALL MECHANIZED FISHING BOATS

1. Scope— Prescribes guidelines for assessing the duties of small mechanized fishing boats and estimating engine power to meet these duties.

2. Duties

- 2.1** a) To develop free running speed in smooth water as specified by the owner/operator;
 b) To compensate for added hull resistance due to the deterioration of the hull during service;
 c) To drive auxiliary machinery, in case necessary; and
 d) To tow a trawl, in case necessary.

3. Assessment of Power

3.1 The power required to obtain the given free running speed shall be estimated by the designer/builder on naval architecture principles as well as by model testing, if necessary.

3.2 In order to allow for reserve power to take into account the duties listed under 2(b), (c), and (d), the contractual speed in the trial condition of a newly built vessel shall be achieved by utilizing only 85 percent maximum continuous rating (MCR).

Note — The power requirement for towing/hauling a trawl net or driving auxiliary machinery is generally between 30 to 35 percent of the power given in 3.2.

EXPLANATORY NOTE

The objective of this standard is to help owner/operator of the mechanized fishing boats for correctly assessing the power requirement for required operation of these boats.

Adopted 28 February 1983

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